





VOL. 29.

DIARY

OF

HYMENOPTERA, OTHER INSECTS, PLANTS, &c,
SEEN OR TAKEN BY A.W. STELFOX

From 19th June 1960.
until 16th May, 1961.

19th June 1960. A very fine sunny day with fresh cool NW. breeze. Sunday. In afternoon Mr. & Mrs. Dally drove us to Ballyclogh on the banks of the White Water. Then it came low tide at Loughor Head. Here we discovered that the entire area of salt marsh where we collected on 1957 had been most very since we were there.

We sat by a plantation, south on sea N of the fort a long - part salt marsh part sand ground along bank of high tide & here I took the following:-

Dried &

Cypris sp. ab. 30-50 m. Aggregation of 500 hundred, ant. 2nd, ab. 200-250.

Hemimysis sp. sp. ab. 22 Stenomus sagittifer ♀, ab. 16.

Micrognathus granulosus ♀, ab. little off. Ctenophore? not note.

Apostolepis 7:6 mts. = 4 ab. ab. 200

a. ab. 200-250 new species?

Ophiuroid = O. clavigera ♀, ant. 26.

Liparidae sp. ♀ ab. 23 with dingle, very black body, rays proptandrum expanded.

Breams / Polydora comes hic. ♀, ant. 22.

Z. (Threptode) mediterraneum ab. 4; not mtd.

Chiron. amphipod ♀, ab. little off short.

Procton.

Gobids

none noted

Gymnoph.

Salter 6 none noted.

20th June 1960. Two very hot sunny days but 21st with fresh mainly easterly breeze during day time. Spent both days in garden clearing up after the holiday. A dead Turtle Dove was sent of to me from West Cork. I passed it on to Denis Rocke, 2, Arkendale Road, Glenageary, Co. Dublin.

TELEPHONE 81602.

2. VI. 60

Dear Gelfot

I fed sure these ferocious looking icks with their dorsal white spots are quite well known, but I thought it worth sending them along, as I can say for certain what species the host was. They emerged from surface of Dasytilia pudibunda L., the Pale Tassode, bred by my young friend Paul Williams. The icks emerged

10. July 1960. Similar but more cloudy & a few minutes light shift of rain at 3:30 P.M. Sun very hot other out & wind (NW) not so keen as previous days.

A dead Turtle Dove was sent of to me from West Cork. I passed it on to Denis Procke, 2, Arkendale Road,
Glenageary,
Co. Dublin.

TELEPHONE 81602.

2. VI. 60

Dear Melford

I fed sure these
ferocious looking chicks with
their dorsal white spots
are quite well now.
but I thought it worth
sending them along, as I
can say for certain what
species the host was. They
emerged from pupae of
Dasydixia pudibunda L.,
the Pale Tassock, bred by
my young friend Paul
Williams. The icky emerged

Applied
Sciences
27.7.60.

Applied
Sciences

30 May - 1 June, & the radiobands
larvae were found "at various
spots in Co. Dublin". How are
you both? We had a good
holiday in Grand Canary
in Feb & March. I found
two new (to me) species
of butterfly, & I understand
that the orthoptera etc
which I caught & sent
to an expert in these bugs,
in England, are causing
some excitement! We now
sending the giant moths to
Bernard Kettlewell in Oxford
to test for radio-activity,
i.e. a from French atomic explosion
area in Africa!
Yours ever & best,

2, Arkendale Road,
Glenageary,
Co. Dublin.

TELEPHONE 81602.

15. VI. 60

Dear Sclerox

I send another
ish, together with the cocoon
(on a piece of cork) of
Haploa furcula C. (Yellow
Ritter) from which the male
emerged. The furcula
(^{was} larva) from the furcula.

You can
E. H. B.

Applied for
17. 7. 60.

19th June 1960. A very fine sunny day with fresh cool NW
breeze. Sunday. In afternoon Dr. J. D. Dalgarno drove up
to Belfast in the centre of the White Water. Then it came
back to Belfast. Here we discovered that the streams
are of salt water & there was collected on 1957
bed been swept away since we were there on

Mr. Dalgarno's pleasure, swept away on N. of the
for a hour — part salt marsh part marsh ground
the land of high tide & here I took the following:—

Digitalis

Cryptanthus, ca. 30. sthd. Rypholoid of 50+ chandat, ant. 10.00-22.
Heath epiphyte, ab. 22 Staphysagriae ♀, ant. 16.
Microseris graminicola ♀, ant. bitter off.
Bryophyllum pinnatum.

Asteridae 7:6 sthd. = 6 sp. 3000

a. sp. 109, 29% new obs.

Ophiocaricae 1 = O. apiculata ♂, ant. 26.

Asplenium sp.? ♂, ant. 23 with dimple, very blackish body, no propodeum, expanded

Luzula / Polygala comosa Nic. ♀, ant. 22.

Z. (Phragmites) acutus ♀, not std.

Glaucium corniculatum ♀, ant. bitter off short-

Procters

Gholands

new std.

Wright

setta 6 new std.

20th June 1960. Two very hot sunny days, top 22
21st with fresh wind, cold breeze during day top 22.
Spent both days in garden clearing up after the holiday.
The Dalgarnos left for home on afternoon of 20th & had tea
with George & Margaret in Belfast.

22nd June. A heavy, warm, sultry day, with very hot sun,
becoming cloudy, towards evening, no formal thunder
storm approached from E-SW. The storm did not
reach us, till after 11 P.M., but we then very soon &
lasted till about 2 A.M. accompanied by heavy rain.

23rd June. Dull, with a very close & warm in forenoon,
but sun broke through about 3 P.M. & the very warm
& damp, but no rain fell before 10 P.M.

24th June. After a misty morning, another hot one all
afternoon, with E breeze. Sun clouded, in W. toward

morning.

25th June. Rather a blustery day with increasing W-NW wind, very
warm & very hot midday & most of afternoon, after a
very much cooler morning, and colder in evening, with a
distinct "autumn" feeling in the air. First flowers on Coreopsis, Red Potentilla, Epipactis palustris, Erysimum strictum, &c.,
appeared during last few days. Primula noctis & Hypoxis
canadensis (from Long March June 1959) also in flower.

26th June. Another very warm moist sunny day, with NW-N. breeze.

27th - 30th June. Drought continues, with lot of sun & heat,
cool, N.-to-NW. wind often fresh & temperature dropping
each night sharply at sunset & in the autumn.

1st July 1960. Similar, but now clouds & a few minutes
light stiff & rain at 3.30 P.M. Sun very hot when out
& wind (NW) not so keen as previous days.

2nd July 1960. Another day, cold & grey day, but not so long. A change coming I think, but

3rd July. Windy with S.E. breeze & odd sprinkles of rain.

3rd July. Windy with S.E. breeze & odd sprinkles of rain.
in afternoon & evening. In afternoon Dug & walked
around Trinibelle's new Lippea lutea in flower
in new locality SW. of town at site of old st. of the
old wood. Saw a long Linnæa præcæpita in the burn at
the place we fell the timber, also Bombaria cordata &
Anemone canina &, & I shot a young ♀ of D. lucorum.

4th July. After some welcome rain during the night, a
very warm muggy dry day, mainly cloudy & more so
in evening. Then more rain seemed imminent. Spent day
closing back of the burn along Crawford's fence. Same back year
I planted Grimmia, Cyclotis & Eucallisia; then all done,
well but smothered in grass, etc., etc. Later got all burnt

5th July. Heavy rain during night & squalls of rain & wind,
with drizzle between most of the day. Warm - forenoon cooler, in
evening. Wind rushing, gale force in gusts & large branch of
birch. Wind rushing, gale force in gusts & large branch of
birch blown about & broken down.

6th July. Gale continued throughout night & still dust
soot a little towards evening. Mainly dry but now cool,

7th July. Quite a nice sunny day & little wind!

8th July. Another nice day with very little rain all forenoon.

While I cut front lawn. In afternoon we dug the first
planted row of potatoes (planted on 22nd March!); the eight "Home
Guard" giving a poor crop. While the "Nester Chieftain" yielded
an average crop, consider, the dry weather we had in May & June.

9th July. Also a nice day with one slight shower at noon
and wind changed from SW. to E. but back cool & still in muggy.

10th July 1960. Heavy rain most of the day.

11th July. A fine early forenoon & a nice evening
with hot sun, but a couple of hours later

12th July. A very nice, dry day, but coolish.

12th July. Still cloudy in morning, but not
windy, in depression from Atlantic approach.
However, in afternoon, from Hudson's Bay
Spent most of the day trying to get garden refuse burnt
& succeeded, but a lot more to burn soon

13th July. A hazy day with hot very intervals. Howard
& Ad and Hudson's daughter came to call in afternoon
I collected £40 & 10/- bus for Belfast plus they were
staying for the week or two from Scotland.

14th July. Repeat day, cloudy in afternoon, but I cut
front lawn nevertheless.

15th July. Mainly dry but after heavy showers, so that all I could
do was some weeding. Wind strong, W, in early part, but
dropping to calm in evening.

16th July. After a cold dry night, a very muggy warm
morning, but rain did not commence till about 3 P.M. Then
a deep depression arrived from west & wind increased to
gale force SE. with very heavy rain & falling often all
evening, till bed time & after.

17th July. A fine early morning after gale & rain till dawn, but
then showers later. Left home at 9:30 A.M. I walked
up to E. cliffs of St. Lourdes Mtn. c. 1500ft. Where had
lunch & collected (in rain) mosses & liverworts for the
Fitzgeralds - some at base of cliff & some on rocks below, near
Returned home at 4:30 P.M. A disappointing day!

16th July 1960. After a fine hot day, a prolonged shower started at 3 P.M. Very damp & windswept afterwards.

27th July. Entire day, with brief & drizzle in the late part - no real rain here till afternoon. Wind strong, SW, 2 miles, but with falling gales. Wind strong, SE, 2 miles, but dropped completely a few feet & appeared to ease.

Dug two buckets of Wallington potatoes; the plants produced one bucket.

28th July. Very warm & dry with drizzle in hills in morning, a beautifully sunny first afternoon with W wind then George drove in, off to Bellomyre to spend afternoon with Margaret's mother & sister M^r Dodd & Mary.

I slept in the steelyard for about half an hour & then took the following insects:

Phaonid, 3 = *Diaphorina citri* sp. 200, ab. 25-30.
Centipedes, approx. 10, ab. 25.

Cryptidae & including *Stenus* sp. 20-30
Hypoganus sp. 2, ab. 10 only abd.

Syrphidae sp. 2 (twins) pupal, not abd.
Cleridae 100, ab. 25.

Barn "tritoma" 200, *Streblus agathis* or } now
Hemiptera, water striders & capillaries, 100+ spec. } abd.

Stomoxys ab. 1000 ^{condrodini} sp. 7, ab. 25. *Picromyza*? sp. ? small, ab. 25
Thomisidae 5 = *Idioctis* sp. ab. 18. ^{possibly, or Stenomimidae?} AB. 27-30.

Ophiodes antillarum? sp. ab. 55.

Onoplocheirus minutus sp. ab. 22.

Gampsocoris var. ? sp. ab. 23, dark legs.

Blattella germanica sp. 10, ab. 17. sp. ?

Acladus flavovestitus sp. ab. 26.

(flies of *bacis* sp. ab. 20

28th 60 cont. - *Caligonus*, 60. Down, cont.

Apanteles major sp. ab. 24

Apanteles sp. 4, ab. 20 & abd.

Zacousa sp. larva sp. ab. 20, now ab.

Apanteles 3, ab. 17 abd. = 1 pair of lobes each of abt. 15, also a small abd. abt. 10.

- no doubt swept off a specimen which had the insect path (Bellomyre, 1960).

Tonights ab. 10 abd.

Proctors ab. abd. non abd.

8

Friday 12

Syphidae 2

Two plots from steelyard dried: *Malvastrum*, *periploca*? &
Potentilla sp. roots?

29th July. A fine morning, during which George & I cut front lawn, but after I had got a bonfire going a terrific shower fell at 3.30 & others at intervals all afternoon, yet I managed to keep the bonfire going & burnt almost all the garden rubbish I had been drying by covering the pile with cabbage leaves to throw off the rain. Planted cuttings taken from "Rowallane Seedling" *Cydonia*.

30th July. Rather nice day, followed by very heavy shower developed.

31st July (Sunday) Similar to yesterday, fine in early part, showering after 4 P.M.

1st August. After a very wet night an extremely rainy, very hot day with NE, cool breeze. Georges family left York home at end of their holiday with us. Bank Holiday.

2nd Aug. After a heavy down - almost a "white frost" another all very hot day. Wind light NW in forenoon, E. in afternoon, calm in evening. Dug two bucketsfuls of Wallington potatoes.

9-22 Augt '60. Entered date, with all joy & almost tears,
and gladness, but it did not rain.
A big Sibley tent was set up almost without trouble, but
the law of Bang & Sibley's old ally down pole
was not good. It would not hold a single
man upright.

5th Aug. A dull day, humid but dry, with no wind. Dug
+ all Kerr's Pink^b
rest of Valley door potatoes, + cut grass in meadow + had bonfire.

7th Aug. Sunday. A very nice day, with considerable sun, period after 11 A.M., but not so close & humid as previous days & a very light W-N.W. by S. In afternoon Daisey & I walked down the plantation & up river below Blue Mountain & home via the Glue River. On the way I took two sets in my hand (as had no net) & followed —

Tactopinus dentatus

On return journey I kept path just below the style from the main road a
grayling butterfly & yellow admiral, as well as a very small ♀ of Brassica.
Jonellus. Many bees & solitary "wags" seen in garden lately, a number
of small copper butterflies & including Ladon, Citrus & Nymphalis
charmonia. To day I took a specimen of nestle tree in a Killarney
fern case from the specimen box. The plant was still at point
since the 1920, when some bared sticks were stored in it from
Powercourt or Enniskerry, Co. Wicklow. The larvae of these can only
have fed on the fern wood of the case or the rhizomes of the fern.

8th Aug. A nice clear sunny forenoon, followed in afternoon by very heavy dashes. Cat back cap in morning. ^{Hygrodion?} Art. 20 in garden.

9th Aug. After a dry night, heavy shower all day, with thunder at
distance in afternoon; cold & clear by 9 P.M.; garden very wet

10 Aug. After a very heavy deer a week ago, wind light
from N. the N. C. line calm while S. countries of England had up to
3" of rain. Big crop of golden Wonder potatoes & 1 row of beans, & cut
fruit house after tea. No SWIFTS seen since 5 Aug. When revised see

11th Aug. 1960. A nice fine day, with some very light rain.
Dug the remainder of the "Golden Wonder" potato crop
scrap, but gave 2 wagons & made bonfire.
12th Aug. Another fine day after a short night with
frost. Dug out the old children's play area left & the
old W.W. house, which was in the garden.
Dug all but one row of Golden Wonder potato in upper
plot west strawberry. Was planted on 25th of March. One had
bonfire & some seed of Lathyrus alpinus (1958) (ayrtope) & 3 ff
& Camassia esculenta, some in 12" pot & some at W. door of greenhouse
in open.

13th Aug. A fine, mainly dull, calm day but a heavy shower about 8 P.M. & more rain later. Had dinner & cut back lawn.
14th Aug. Sunday. Dined with brother James Mitchell with wife
in the afternoon & we walked. Stanley Skellern, Bob Peter & his family came
afternoon & the latter brought an account of their recent holiday on
Skye & St Kilda. Skellern who had called the previous evening
is reported with his family (wife & son) to have had a Myxozoan
Trichia botrys which he had found with a wooden hook
at Castle Ward, Strangford. The weather was very calm during
the day, more or less bright & dry. Mr Lewis who
is on a visit to Ireland to study the small Cochlicella acuta
(alias Holzia acuta = Holciella burbana Benth.), called also
afternoon & we discussed his problems for half an hour. He presented
a very present & interesting paper on a very new & his subject.
X Geoffrey Lewis of Oxford according to him Rock of Iat. mu
Dublin

After a fine night a nice morning day till 3:30 P.M.
I got front bear cut, left home about 3:15 to call on Mr. Moore
and get light shovels. Returned at 5:30 & got home dry, but cold.
Not much snow, with tender live grass no plants,
but snow on low ground with tender live grass no plants,
between Santiago & a Br. parada like dry & marshy.

24th August 1960. A mild day with a slight breeze except for
a few minutes about 2-3 P.M. The sand spring up from the ground
was yellowish brown with some white patches.
The water was very light E, with a thin mud bottom & the sand
was yellowish brown dug up under ground cover & which of
the plants I did not want to sample took over. Planted the
Ranunculus which wanted to sample took over. Planted the

the plant giving many berries yesterday just W. of seat of the windmill.
25th Aug. Continuous rain all day from early afternoon & continued throughout the following evening & part of next day.

12th Sept. After a still misty morning with low drizzle, a fine afternoon with drizzle, rain
over more at 4:30 P.M. - mild & calm except during brief spell the E. breeze sprang up.
Cloud-drift W. all day. Mr. Stewart, St. Mary's Park, came in afternoon & brought
plant of Veronica (? spicata) & I gave her two of Trollius, Balloon (white), Sax. oppositifolia,
Sax. longistylis, Mullein, Mentha requienii, & Silene.

By 20th Sept 1960. Weather dull & drizzling & very warm but sunnier
early afternoon, but overcast, too wet after mid-night & so had to
cancel the trip from 46. Backs of trees painted taken on winter
trip 1959-60, with some local vines, 200 in all, to road M 100.
Walters for the winter show. In afternoon cut Berlin's hedge along
front wall & talked along time with a man named Reed, who at first
was passing for a shot.

11 Sept. A very nice day day, after a dry night; mainly cloudy, & drizzling right & forenoon wind fairly westerly, late light & variable. Wind from gale or force 4 down in forenoon, had bonfire & cut grass later. Also in forenoon had visit from Mr. Wood & good time - half of heather twigs received on his behalf.

Red Admiral Butterflies seen in back garden in afternoon.

94 Sept. 1960 Gal. followed by rain before dawn placed a milky color
over the sky. After noon sun & heat returned.

12 p.m. Sept. 6. After a long wait during over half of the night, a nice low pressure system arrived at 4:30 a.m. formed its S. & rain fell for an hour or two subsequently, then abated later. Much colder! But front came just before 9 a.m.

Could do nothing in garden! Collected cores in afternoon.

after a clear night. But first look in forenoon & spread fertilizer
at 1 in afternoon & follow:- 1 oz. super phosphate, $\frac{1}{2}$ oz. Am. sulphate,
 $\frac{1}{4}$ oz. Sulphate of potash, + $\frac{1}{2}$ lb. sand per sq yard. This kills moss,
discourages clover & stimulates grass. On experimental plot a lawn
is to be started & this seems successful in regard the moss.

24th Sept. A most beautiful & sunny day, with no birds singing for miles.
Arrived at 10:30 AM, to find the Dr. & Mrs. Tari, & his wife at 5 P.M. I spent
the night. Had little from Dr. K. except an impression, saying he was
more prepared to tackle the *Orthecetini* (*Ichnumonidae*) than I had
with him to end in my material. Two years ago I had suggested he would
take up this group & if he did, promised him my well-known, much used noon.

25th Sep. Another day day, but hill-fog in forenoon & cloud till 5 PM, then clear air gradually reached us from the north. The Farina left about noon. In afternoon Dennis & collected cones. Sunday

17 October 1960. E.gale continues, dry till 4 P.M., when rain commenced & fell heavily all night, with some gale. During this & previous days, heavy rain, with abundant sea-fall in S.W. England, particularly around Exeter & at Newhaven in I of Wight, where it is estimated that $3\frac{1}{2}$ inches fell in one hour but as the official rain-gauge was submerged the exact amount will never be known.

Wind E. Gale continued all day, sometime. Heavy & sometimes light. Toward evening wind backed to S., but rain & wind continued as before.

Sunday (Daisy saw a Red Admiral in her rose garden & there were
3rd Oct. Send Larks (& possibly a Swallow) about in afternoon. Bombycagreen

3rd Oct. '65. ^{cont.} Very nice, warm, rainy every day, but a little drizzle in afternoon. Took walk with a young friend.

7th Oct. Dull & damp same as yesterday, but milder, the House
master again seen at dinner time i.e. between 1-2 P.M.
In afternoon collected leaf mold at Donard Lodge. Wore the
apron of Sonneria with the blue denims, & replaced them by morning
the 2 species of Bassia which were being overlooked by
the teacher. Gained a stop about 8.30 in evening, & left without permission.

8th Oct. Same damp & dull weather, calm. A shower about 8:30 P.M., but no more rain fell before 11 P.M. The flash of lightning last evening struck a transformer near Garberallan & caused a fuse to blow somewhere & leave an temporary blackout. No House Martins seen today!

17 10th Oct 1960. Very dry & sunny in forenoon with strong
N.W. wind so hot from sun that feet became uncomfortable.

In afternoon I paid a visit to Mr. Lien & gave him
seed specimen from Doboccia cantabrigia & progegma &
Phyllocladus. He has promised to try to germinate it
and provided it proves viable.

13th Oct. A most perfect winter's day! Weather all warm now, but with
cold N. breeze. In afternoon tramped back to Daphne where I saw
in front of house (in lawn), where they have never buried, a back garden W. of
greenhouse & below upper path, putting broken slabs of "concrete mortar" w/
bottom of old + filled-in salt comp., bone meal + "PLUS".

Guido & the House Martin as I think, Swallows shout - ~~few~~
angitia (Diocle.) exarctata
1.30 till 4.30 P.M. in spite of cold wind. ant-25 taken in kitchen.

14 Oct. Another beautifully sunny day with cold N. breeze. Tramped
quintalence wif Mr. Sibley in afternoon. Planted one old & 3
young plants of an Almond given me by Mr. & Mrs. Stewart. The old plant
N. of the house opposite McFarland's garden & the young next Anderson's fence.
There the rock comes to the surface. Saw no Swallows, but at 4:30 PM the
Rock was covered for flight. An American joined one with much "crowing"

toward Tullymore Park 15.10.60. Another nice fine rainy day. collected leaf and in afternoon ant 28th

16th Oct. Sunday but very cloudy & a change coming. Sunday - So off walked round by Tappanaw low & home. Blues of trivialis still on windows of garage

17th at 10 AM rain started at 8:30 AM, continuing S. wind & continued

Tell each afternoon. The still a drizzle & calm, all wind rising again in evening. Spoke little to Urban District Council re future of the town - the garden & got some Orthocentrus and tarantula Bridge later on.

2 *Erica* sp. + *Anagallis tridala* + *Polygala* (pink flower) from
just above Pachapal Bridge (outlet of the Lough), West Bengal,
where *Erica nubikiana* is supposed to occur, to upper border
just E. of the three Banekias.

Castle by Mr. Nat. Kentland. Then we spent over an hour & I inspected the possible collecting ground around the castle, which includes a considerable area of wood (plantation!) & in field N. of the castle a mere looking pool fringed with reeds.

In previous note Mr. S. D. Wood's ordered about 6000 plants from Donard nursery. He gave me small plants of a variegated and Azalea, but got cuttings of from Tolymore Park & also a small piece of L. calluna, which has pink flowers of short & long bracts. I planted the Azalea in upper border next Anderson's fence (see map!) & the Calluna in same h. path & just to right of Scottish plants (Azalea procumbens, &c.) — See note in date of 8th nov.

19. 24th Oct. 1960 Another entirely dull day with light E. wind but although air very damp, no rain. Had broken & enlarged hole in front of house there the Daphne were & removed soil down two steps & replaced with stones & compost.

25th Oct. A similar day to last but wind was very light. Donald nursery delivered the plants I ordered from my flood on 23rd. Some I got planted, see plan below.

26th Oct. Dry & with considerable sun & light NW breeze, a very nice autumn day, with a feeling of spring almost when the sun was out. Continued & finished the planting of the shrub area received from the Donald nursery yesterday & below is a catalogue & location of the new plants. Both *Iris sibirica* & *I. reticulata* with flowers today, while *Cyclamen Coum*, *Mahonia Laminea galericulata*, & the first flower on the fruit *Thunbergia* still in flower so that in spite of the great damage done by the early gale of 26 Sept - 2nd Oct we have quite a show of bloom in the garden.

27th Oct. After more rain at night, a very wet morning, but afternoon dry, dull, chilly. Wind mainly NE.

The following plants received from St. Donald nursery: —

Rhododendron "Beauty of Littleworth" & *Azalea "Pencil"* & *Azalea "Harvest moon"* } Planted on border along border, the burn in front garden; see map in diary under date of 26.4.68.

N. *Camellia saluenensis forma* } Planted N.E. in row of plot in front of tall shrubs where *Baphia mesacrenum* formerly were, then one plot to south.

S. *Camellia williamsii* J. Williams } Planted in front border front garden See map under date of 28 Nov. 1957.

Berberis stenophylla corallina compacta } Planted in front border front garden

In afternoon we walked through Doward hedge wood, to above the Harbour
I went beyond & saw four plants of Pinguicula lutea, in the drain beside
the road, & before also as the Scoter flew out to sea & what appeared
to be two divers at entrance to harbour but light was not made it injured
the sun. On return home caught a ♀ Hemiteles sp., ant. 31 on wall of
house at hall door, collected a reddish liverwort growing on bank along at
base of tree-clawed, E. of the old railway from Larmer to granite on N. face
of The Wolds on St. to send Mr. Fitzgerald, sometime.

2nd Nov. Gale from SW. cont. till 3 P.M. & then slackened to a moderate gale. In afternoon we collected leaf-mould. Cold

3rd Nov. Heavy sleet showers before dawn. Weather cleared
about 9 AM & a very cold day ensued until 1 PM, but
about 11 AM, a very fine, cold, misty drizzle came from south
over the hill & this gradually increased to rain & wind veered
to S.W. & by 4 PM. Slim Doward had a considerable snow
cap down to about 2300 feet - the first snow of the season
so far as we are concerned. By 5 PM the snow
was down Shaver's down to 2000 feet.

On this day the smallest "Christina Easter" (that given me
in 1956 by Mr. Patterson) bore its first flower of the season,
having been brought into the house a few weeks ago from the
greenhouse where it & the large plant had spent the summer.

5th Nov. What should have been a dry, cold, sunless day
breeze was spoilt by arrival of a "seconding" with wind blowing
to SW & raining a yesterday afternoon & drizzling rain set in
at 11.30 & lasted till about 3 P.M. Then it got
a bonfire started when rain commenced & spoiled everything.
Nevertheless, got a good deal done. During the night some kind
of a whirling mist has passed across the garden & knocked out
a whole pane in ²⁰⁰ off a house twisted the White Agave
near Maloria until its stem was cut just above ground &
the same to the big mouse tail "Woolly Rose". Took many
cuttings off the broken Agave & planted ^{now just W. of the}
stable, the barn. The Agave we grew from a piece broken
off the original plant on way from Doward nursery I had
taken a nice plant about 10-15' high

6th Nov. A lovely cold, sunny day, after similar night. Sunday
In afternoon we walked up to new bridge over the Glen River & thence by new
road to the big quarry on N. face of Thorne, & Millerton Mts. & home
via the old tramway from the quarry to Linton & Donard bridge.

7th Nov. After first real frost of season, with ground frozen in
garden & the ice on tubs at greenhouse, a very bright day
with warm sun. The plants ordered on 19th Oct. - from
Knob Hill nursery arrived in afternoon & stored in
garage, there will be frost again to night.

8th nov. 1960. Frost went during night! A fine day spoiled by SE-SW风 over the hills & no down & drift or drizzle between 10.30 & 11.30 AM. After that drizzle & winds less till late evening. Sun & wind across from SW.

In soon & rain stopped. Prepared holes for the Agelaius & Rhododendrons received yesterday from Knob Hill Nursery & in afternoon I got them safely planted in border next Anderson's fence (See map). I also transplanted the little Agelaius received from Mr. Wood on 23rd Oct (see p. 18, ante) to border at "Colletor Line" to replace the dead "Zampa" (No. 3 in list of 8.4.1958). 9th Nov. after heavy rain at night, a dry, nearly sunny, & mild day, but towards midday a new & deep depression to SW brought increasing wind & we doubt rain to follow. In afternoon we collected leaf mould above Donard Lodge rain.

10th + 11th Nov. Both wet, wet & stormy (SW). Collected leaf mould on 11th afternoon. Pimpla eximilator ♀, ant. 29, taken in house, 2? ex pine cones.

12th Nov. Ordered print of some colour photos for sale. Collected leaf mould very soft & wet before dinner. In afternoon rain off & on, but a wet front short walk after afternoon tea. Evening & night fine & clear. After tea Mr. Hartland & his friend Dr. Jane Taylor, temporarily back, hydrology at Queen's University Belfast. Dr. Taylor has recently returned from U.S.A. ♂ & Epitomus pruinosus taken in house, and 2? ex pine cones.

13th Nov. Aretched day after a fine night, torrential rain from S-SE. came on shortly after 10 AM & lasted till 3 PM. It then cleared & we went for a walk to see the Donard Falls, which were very fine. Remembrance Sunday.

14th Nov. After another fine night a replica of yesterday, but rain not quite so heavy but wind did not clear off till evening.

15th Nov. After a day & rather windy night, bright sun till 2 P.M. but wind strong & cold. I had a bonfire & got nearly all my bird bands before the rain came on at 3 P.M. & lasted a couple of hours. Then very cold, windy (SW) but dry. Saw a ♀ Vespa vulgaris in front garden at noon.

16th Nov. A nice bright morning, cold, dry. Collected leaf mould in woods & planted second specimen of Agelaius Golden Oriole from Knob Hill Nursery E. of Hamamelis. Caught Ick (Paratichneumon ^{ant. 29} remipes?) in house, ? from cones, 2?

17th Nov. After frost at night & hazy dawn, all sunny, calm & cold. Collected leaf mould in wood.

18th Nov. 1960. After night a less frost & bright sun in afternoon. Wind in noon, but while frost on uppermost 500 ft. of Stag Board may change & really rain there in shaded dell later afternoon. Should have snowed at 10 a.m. in afternoon, but a thin skin of snow.

19th Nov. 1960. A very forenoon & cloud & footed but mostly

calm day Sunday again before bed time low clouds & E. breeze over parts for northwesterly

wind. 1.5° SW breeze evening very damp.

20th Nov. 1960. Wind very strong to the east, at 2.15 P.M. collected leaf mould. Rain & rising about noon.

21st Nov. 1960. Afternoon with drizzle & rain in forenoon, cold later. In garden, 2?

22nd Nov. 1960. Windy, calm, rain very occasional afternoon.

23rd Nov. 1960. Afternoon very rainy, cold walk in afternoon to the

wood W. of Donard. At 11.30 AM, Mr. M. M. Mulford

1. wind & occasional rain

2. to the S. side of hill & next to wood

3. setting sun at tree line, at about 8 P.M. (Sun) End weather!

noon

BELFAST NATURALISTS' FIELD CLUB.

A CONVERSAZIONE

will be held at
The Museum and Art Gallery, Stranmillis Road (by
kind permission of the Libraries, Museums and
Art Committee of the Belfast Corporation and
the Museum Director)

on

TUESDAY, 7th OCTOBER, 1958 from
6.30 p.m. till 9.30 p.m.

Admission is free but members will be required to produce this
notice at the door.

Under the rules of the Club, each member has the privilege of
~~going to the funds~~

H. C. Farn record, 1 specimen with white

Lac maculipinna, ♀, Farnsworth, CV. 22.5.39.

" longitudinal & vertical str., CV. 18.5.39.

" semiventral white & granular, CV. 11.5.39, 8.0 P.M.

Pez. gonatopurum ♀ " " " "

" affinis ♀ 3m W of Shio Sh. 28.5.39.

Aerone brama Doonee Rock, SL. 29.5.39.

Mit. scutellata ♀, Farnsworth, CV. 6.6.39, 8.0 P.M.

TEL. KELVIN 2231



DEPARTMENT OF ZOOLOGY
THE UNIVERSITY
GLASGOW, W.2

7.VII.59

Dear Mr. Stelfox,

Thank you very much
for the reprints and for the addresses
of Mackauer and Stary. I'll be writing to
them within the next few days.

Thank you once again for all
your help.

Yours sincerely,

A.F.G.Dixon

20/7/59 A.F.G.Dixon

Daemona minella n. sp.? AWS. Dixon agrees?
Duck abbey, Do (1) 21.6.57

Gyrocompa sp. ♂
" ? small cubella" AWS

= sp. ? Dixon

" Dec. innana n. sp.? "AWS. unlabelled by Dixon
L. Neash, AN. (2) 26.6.57.

Some *Parastica* & ^{♂ Sawfly} returned by Nixon Oct. 1960

Dacnusa cretina ♂ 1 Atherton WI 19.6.49.

Lauderstown K.D. (4) 14.8.49.

Tucson, AZ (2) 19.8.48.

In., Kilbride WI. (1) 11.6.52

D. cf *euryale* ♂ AWS. = D. ?? sp. "fide Nixon"
Killegar, WI. 26.8.43.

[Sawfly *Pachyneuris kirbyi* (Dall.) ♂
fide R. B. Benson. Lauderstown K.D. (4) 14.8.49]

Oxylophus maculata Kieffer. ♂ AWS. Nixon agrees!

Tollymore Park Do. 7.10.57.

Belyta forticornis. ♂ AWS. Nixon agrees

Tollymore Park, Do. 12.10.58.

Leptorhynchus monilicornis ♀ AWS. Nixon agrees.

Donard Co. Do. (1) 20.9.58.

"Gymnas or Capitella" AWS.

= *Cryptoscaphe scutellata* Hal. ♀ fide Nixon

Tollymore Park Do. 9.6.57

Zygote kniptera H. ♀ AWS. Nixon agrees.

Donard Co., Do. (1) 20.9.58.

"Pantolpta fusicornis" ♀ AWS. = Zygote kniptera [Nixon]
fide

Tollymore Park, Do. (1) 8.9.57.

"Dacnusa cytherea" ♂ AWS = D. sp. cytherea group
fide Nixon

Woodend, WI. (1) 5.6.52.

Dacnusa tenua H. ♂ fide Nixon.

Killarney, WI. (2) 18.5.52.

Do - do. fide Nixon

B'lt'y, ST. (4) 9.6.44.

P.T. v.

13th Nov. 1960. Frost went during night! A fine day awaited by SE-SW gales over the hills & an hour's drizzle or drizzle between 10.30 & 11.30 AM. After that dry & windless till late evening. Sun & wind across from SE.

As soon as rain stopped I prepared holes for the Agave & Pholidodendron received yesterday from Knop Hill Nurseries & in afternoon I got the seeds. Planted in border near Anderson's fence (See map). Also transplanted the little Agave fence received from Mr. Wood on 23rd Oct. (see p. 18, notes) to border at "Bottom Line" to replace the dead "Zamia" (No 3 in list of 8.4.1958). 14th Nov. After heavy rain at night, a dry windy morning & cold day, but towards mid-day a new & deep depression to SW brought increasing wind & no doubt rain to follow. In afternoon we collected leaf-mould above Donard Lodge river.

15th + 16th nov. Both parts wet & stormy (SW). Collected leaf-mould on 16th afternoon. Purple "eximior" ♀, ant. 29, taken in house. ? ex pine cones.

17th nov. Ordered part of sun colour photos for 2nd. But back from Bay, very soft & wet before drive. In afternoon rain off & on followed by fine plant-walls after afternoon tea. Evening & night fine & cold. After tea with Westland & his friend Dr. Jane Taylor, temporarily staying at Queen's University Belfast. Dr. Taylor has recently returned from U.S.A. a ♀ Epteronius pruinosus taken in house, ant 22, ? ex pine cones.

18th nov. A matched day after a fine night, torrential rain from S.-SE. came on shortly after 10 AM & lasted till 3 PM. It then cleared & we went for a walk to see the Donard Falls, which were very fine. Remembrance Sunday.

19th nov. After another fine night a replica of yesterday, but rain not quite so heavy but sun did not clear off till evening.

20th nov. After a dry & rather windy night, bright sun till 2 PM, but wind strong & cold. Had a bonfire & got nearly all moth-burnt before the rain came on at 3 P.M. & lasted a couple of hours. Very cold, windy (SW) but dry. Saw a ♀ Vespa vulgaris in front garden at noon.

21st nov. A nice bright sunny, cold, day. Collected leaf-mould in woods & planted second specimen of Agave Golden Oriole, from Knop Hill Nurseries E. of Hamamelis. Caught Ileke (Brachiacanthus ^{ant. 29} near seminipus?) in house. ? from cones. ?

22nd nov. After frost at night & hazy dawn, all sunny, calm & cold. Collected leaf-mould in wood.

18th nov. 1960. After quite a long frost, a brief full sunny winter day, calm & warm, but while frost on uppermost 500 ft. of Elie Wood was thawed & wet, on there is shade till late afternoon, which leaves somewhat裸露. Collected leaf-mould in wood. Song Thrush singing here & there during last few days.

19th nov. After rain in early night & slight frost late, a very forenoon & cloud dull afternoon, but no rain till after midnight. But a brief mould in afternoon. Cold & getting colder.

20th nov. After heavy rain in early hours, a dull day, mild, calm, dry Tuesday.

21st nov. We had a walk in the plantations in afternoon. Rain again before bedtime.

22nd nov. After heavy rain in night & drizzle all day, with low clouds & E breeze. In afternoon we went into the plantation & took it down pot. for replanting to replace those which were broken - got a few more ago.

23rd nov. After another very wet night, a dull windswept forenoon, but a SW breeze springing up about noon led to bright period in afternoon & evening. Very dry & fresh wind. Spent an hour in afternoon with Mr. Lewis.

24th nov. After more rain at night & a strong gale passed over to the east, with a good dry day, with SW light wind & on stiff of rain at 2.15 P.M. Collected leaf-mould in afternoon, did weeding & clearing up in forenoon. Rain & rising wind in evening! Two ♀ Vespa vulgaris in greenhouse about noon!

25th nov. After a dry, windy night, a fine forenoon, but afternoon with drizzle & rising S. wind to almost Gale in evening with light rain. Cold in forenoon, milder later. In afternoon led walk in plantation, in forenoon, clearing up in garden, etc.

26th nov. After rain at night, a dampish day, with cold & some drizzle, calm.

27th nov. More rain at night & a dull damp day, but no actual rain, though occasional pot. colder, with variable light breeze. Collected leaf-mould in afternoon.

28th nov. A clear, cold, sunny day with cold NW breeze, after some more rain at night. Food prepared for next Friday. Sunday. Had walk in afternoon to the Shepherd's cottage & back.

29th nov. A dry, cold, mainly dull day, after a dry night, with W. & strong at times but drying breeze in evening. Collected leaf-mould in afternoon. No walk had been collected in evening.

30th nov. Quite mild & very damp, with strong SW. wind & occasional light drizzle. Transplanted the Acacia or Salix & Furcraea. Salix triandra (from Co. Limerick) to the S. side of the wavy road near Anderson's garden shed & next to Furcraea. Salix nigricans is a local S. cinerea.

Collected the Eucalyptus in wavy & took several cuttings.

31st nov. After a mild misty night a cold day with drizzle at time. Heavy rain, wind rising to gale from south - afternoon. But dry away about 6 P.M. Planted in pot in greenhouse for Mr. G. Mills collection of Pholidocarpus heterophyllus (syn. Pholidocarpus) & Dicellastrum paniculatum & Entada ^{ant. 29} longistylis.
a ♀ Epteronius pruinosus taken in house, ant. 22, ? ex pine cones.

2nd Dec. 1st December 1960. After rain at night, a moist day, the collecting cold & windy & snow on - frozen. Dull in afternoon, still and frosty, raining slightly.

In afternoon we delivered my projector & part of my collection to Mr. Lewis who had to cancel his talk at the station, as he had said he wished to do.

2nd Dec. After a dry, cold, windy (50°) night, a similar day, but more dry,

with strong cold SW wind till 3 P.M. Then wind dropped & rain increased about 6.30 P.M., & wind (50°) again rose. In forenoon I cut long grass, &

along sides of paths & ways. In afternoon we collected leaf mould & cones.

3rd Dec. After a windy night with patches of rain, an until dull windy day

- wind S. - with several spells of rain & fierce blasts of wind. Milder.

4th Dec. Sunday. A very wild day with spells of rain & wind at gale force,

though mainly sunny in forenoon. Heavy flooding, even more in South & mid

England & river Wye at Hereford reported 18 feet above normal & still rising;

noteworthy advised to avoid whole county of Leinster, & 10,000 houses flooded

in Cardiff. Had short walk in afternoon in plantation!

15th Dec. Light snow seen on Slieve Donard & St. Donard (above about 2,300 ft.) in afternoon, but think that was there at breakfast time! A cold windy, but dry day, after a similar night. Bright & cold in forenoon but wind dying away in afternoon. A good dry & cool forenoon though ground very soft. In afternoon collected firewood in plantation one or two fresh early flowers on Mr. Caldwell's Forsythia in Shrubland Drive.

6th Dec. After some rain at the level during night the snow-line down to summit of Slieve-na-Bron (ca. 1250 ft) & higher hills now well covered. A cold, dry, calm day here, but cloudy. Though blue sky seen to west all day. In afternoon collected leaf-mould.

In forenoon started Raspberries snow & put ropes to hold up the Arbutus bush but over recent gales, so the old tree-rope had broken.

7th Dec. After a frosty night, a cold fine day, with no

thaws or shade. Calm. A spell of thunder & P.M. followed by rain & rain again during night about 3 H.M. but frost.

Collected leaf-mould in afternoon.

8th Dec. After rain & frost, a fine day, cold, winter day, with much sun till this set behind Thomas Mt. at about 1 P.M.

Frost came on again about 10 P.M. so the lamps in greenhouse.

Collected sticks in afternoon. An apparently adult cock Blackbird with no trace of tail feathers, less frequent in back garden for several days.

9th Dec. 1960. After heavy rain in early hours, after midnight frost again occurred before dawn, but from sunrise till noon stopped behind Thomas Mt. at 1 P.M. melted continue, sun high and very cold light to moderate W. wind. Surface in garden lifted about 3° frost & small plot left high & dry! In afternoon we collected leaf mould & small plot left high & dry! In afternoon we collected leaf mould gathered from NE. lower marsh & a slight shower of rain occurred.

10th Dec. A fine day, cold, dry, after a dry night, with only slight frost if any - considerate snow but when NE. wind. First flower open on the larger plants of the Lobelia ^{the indoor} Azalea (indica) given me in 1958 by the people of the Stranmillis training college, Belfast.

11th Dec. Sunday. After a dry night & no frost, an entirely cloudy day. Calm & dry in forenoon, but with falling gloom a steady rain began just after 2 P.M. & continued for the rest of the day. Snowline on the hills has not appreciably altered since 6th inst.

12th } bright sunny day, absolutely calm with frost at night (very hard on night of 12/13th)

13th } & a sparse frost. Wind brief in greenhouse (top not lit!) but showers of rain

14th } next night also. Rain in evening of 14th & apparently less, cold at bed time.

then in afternoon collected leaf mould in afternoon of 12 & 13th & cones on 14th.

Snow line on hills much the same & amount on St. Donard seen to same too.

15th Dec. My 77th birthday! After slight shower & later very hard frost during

night, a dull day with much hill fog, becoming milder from 11 A.M. onwards, but no rain. In afternoon we had a walk in plantation. No wind till late in

afternoon, the NW rising but again dropping.

When passing Carex Paradoxa this evening found the 2000' pin wires last August!

16th Dec. Arise of about 20° F. from 14th! A dull, calm day, with much hill fog & the snow on the hills rapidly melting. Collected leaf mould in afternoon. Very deep after frost!

17th Dec. Similar to 16th. Very mild, calm & very damp. Flower buds beginning to show on Sax. Oppositifolia & Cox. apiculata, a few flower opening on Honeysuckles mollis in back garden.

18th Dec. After a wet night, wet soil & drizzle persisted till midday but cloud cover gradually & turned SE. & replaced in lot off (also dry) & prospect of frost. Today I found my Erica, etc., cuttings in garden all pulled up by recent frost & lying about loose. Has each with a back garden now almost in full flower! Sunday.

19th Dec. After rain & frost a night a very cold day with keen N wind. Snow only left in patches above 2,500 ft. on the hills. Collected sticks in afternoon. Rain again in evening, now on hills. Death of full moon in paper this morning. He died on 17th.

27 Dec. 1960. Hills again snow covered this morning, & light snow down to 700 ft. & lower inland. Also light frost which continues in shade all day. Had bonfire & got much all the refuse from garden which had been trying to dry in greenhouses for some time. Not a cloud in sky over us all day, light wind and cold. In afternoon collected more sticks in plantation.

28 Dec. Another cold, bright day but not all sunny nor so cold as yesterday & a few slight skips of melted snow.

Wind W. moderate to fresh at times in evening. Telephone man came to install our telephone. In afternoon we visited Mr. Lazar to show black leaf colour transparency & the projector. Some slight shower in late evening.

29 Dec. Much milder, wind W-SW., with drizzle on hills & inland but much dry here. Telephone man brought line & lines from garden in them. Enough done so we now wait the imminent George & family arrived for us at 5 PM. Snow on St. Leonard again reduced to patches along 2,500 ft. line. After heavy rain before dawn, a mild & dry day, with light N. breeze, improving with the sky & sun rise from 12:30 noon onwards. With help of George & his son we calculate a large amount work from the previous day of new hedge laid - back garden.

30 Dec. A day, like the last. Moderate cold at times. Drizzles in morning & part of day. I applied some oil to fence posts.

31 Dec. Cloudy, cold day, with early morning.

26th Dec. Except in afternoon when we went to the woods, to collect sticks a blustery day with heavy showers of rain, sleet & hail, & snow on higher ground. Severe gale from SW. in evening.

27th Dec. Cold, strong SW. wind & at time of gale force but all morning & no rain fell here. Collected leaf mould in afternoon.

28th Dec. A fine cold & sunny day with light SW. w. breeze.

29th Dec. Similar, but wind east - journey to Beauregale with heavy rain for several hours before midnight, then cleared off. South to SW.

30th Dec. Wind rose again from SW. & blue frost all day, & gusts of gale force in late evening, but dry & considerably warmer in evening. Snow now reduced on St. Leonard to 1.5 inches in the gutter behind the Eagle Rock.

31st Dec. 1960. A day of strong, very cold but dry SW. wind. Started to prepare border in NW. corner of back garden for the Pseudodanthonia, Agave, & other plants just received from Hillier Nurseries, Winchester & which I hope to receive about first week of February! Collected leaf mould in afternoon.

1961.

1 Jan.

1st January 1961: Sunday.

A wretched day: cold & windy (S) with very heavy rain shortly after noon, lasted till bedtime, but not cold enough for snow on the hills. 2nd January. After a clear night, winds at first then about 10 miles, a fine sunny forenoon. Cloud gathered from south about noon & rain commenced at 3 PM. & was very heavy, but the S-SE wind fell calm in the rain started. Breeze falling steadily & now low, as afternoon transplanted via gritless cuttings along our W boundary to fill gaps between cuttings put - last year. Had small bonfire before rain.

3rd Jan. After snow on high ground & up to 3" around N. Town (Coxangor), with light covering down to 500 feet, but by afternoon the snow line considerably higher. Everything very wet in garden, wind NW moderate, & considerable sun & blue sky.

4th Jan. A very fine winter day after a day clear frosty night. Entirely sunny & not a cloud down us, with NW. breeze. Coldest. Spent most of day cutting up dead tree with an axe. Wind was blown off site by the burn & into Crawford's garden. Between it & wire fence, nailed to it the wire meshed & unfinished job.

5th Jan. Rain all day! Some of the old return out by Tilbury.

6th Jan. Sun all day. Finished clearing burnt & very out of

burnt garden. Too bad so Winter Acacia ready to open.

7th Hard frost before dawn, then milder than a depression spreads. Heavy rain & gale from SE commences at noon followed by cold & then sun. Day gets from SW. inclosing

8th January, 1961 A bright, cold day, much sun, dry, but strong
W. wind, after very heavy rain early in previous night, but dry & without
frost from midnight or earlier. There are now sea birds on the
Winter acornite. Snow on St. Donard much the same as when
last referred to, i.e. covered about 1700 ft., but Shire
Brook today quite clear of snow.

15th Jan. Sunday. After a very bad frost, when in spite of lamp, 2
two again in greenhouse had 1/4 inch of ice on them, & no time remained
till a NE. breeze came in off the sea about 11.30 AM, a dry day, but we
observed 1.5 inches more. St. Donald for the next frost. Barometer
very high & stood at ca. 30.7 during the night, as an anticyclone passed
over & set down on the North Sea.

17th Jan. Again strong & cold E. wind but no rain. Collected Beefwood.

18th Jan. A miserable dark, cold, day, with thick smoke hanging down, S.E. wind.
Afternoon gathered sticks in wood. In evening approach'd wind increased to gale & rattled cabbages of houses, with heavy rain,
from 8 P.M. onwards — Chaffinch singing in Barr., all but final "final" of song.

19th Jan. A local name about Spur. The cedar day follows before midday.
A ♀ Epitonius, previously taken in house, aut. 23: Perfundatus.

20 Jan. 1961. After a very light frost, a cold day, very damp, dry. Broken up
a dreadful state & even after I had stuck down yesterday's snow, 5 or 6 snowdrifts
just not open, broken, no further on. Snow on hill has reduced to the margin, the
drift on N free of snowdrifts & small patches in the gullies where it had settled.
Eggs broken & ground. So afternoon collected last night's (alone).

Collected leaf mould in afternoon. First Snowdrops, now to flower. A great many more coming on. Cut bracken, now to have walked a half

22nd Jan. Sunday. After some light rain during night, cold overcast day, with
frost NE day, wind & snow here, though patches of snow lay on at time
with cloud. Snow patches on SE Board. The ground was flat
and wet but still tree.

23rd Jan. SE. E. cold & dry gale all day. Some light fresh snow movement of
SL. toward above 2,300 ft. Smoke haze.

24th Jan. Cold, dry, S.E. gale continues all night & till 8 a.m.
25th Jan. Dry, after a dry, cold, windy night, very cold, but wind (though still) still SE not quite so strong till about 10 a.m. when it again increased to strong; entirely dull, with sunless day. In afternoon called on Mr. Livers & Lomaxia Taff'sbury wood, many orchids out along Tullyleamion Burn, but no flowers seen. Dinner out at Livers' garden.

26th Jan. A wild day! Dry at first, after a dry night, but rain & S.E. gale came on about 10.20 AM, but rain ceased in afternoon & we got 1 1/2 hours walking plantation; latter rain continued & never got a respite & maintained till 9 PM. when following sudden
rise in gale, after steep fall, the wind began to abate & seemed more to want

27th Jan. After some gale with torrential rain all night the weather cleared a trifle, changed from fall to rise about 10 AM, & except for a heavy squall & shower at 1:30 we had a fine afternoon & evening with very light W. breeze. Since St. Donat & Gouinsoff were confined to movements of

In St. Doogard & Connemara was confirmed
the old drifts reported along several lines. —
28/1. An Henry's
Solenites light... in con-

28th Jan. Very damp with hill fog & smoke haze after a calm night, but weather cleared from W about mid day & we had a fine afternoon.

29th Jan. During night wind backed S. or SE again. I went gal with
K. in dog power with frequent squall. of some SW. wind.

occasional flowers. Hill. Many Snowdrops now out in rock
garden & one single broom (the dwarf deep yellow sp.) about out
last flower or longer. Chestnut Easter just going over.

30th Jan. 1961. A very nice sunny day till 3 P.M. Then a more
showers & fine sleet fell all day, night, wind SW & gale.

I was then enabled to cut the grass in the wavy in forenoon & before
noon in afternoon. Wind rose later & we had a windy dry night.
31st Jan. After a dry down cloud spread from S. at 8 A.M. & a steady
drizzle continued about noon, gradually turning to snow. This began to
fall about 3:30 P.M. & continued to fall till dark. Two Crocuses (yellow)
were ready to open yesterday, but in further note today, one in rock
garden, the other on way to front gate. The Sax. apiculata in front border with
several flower spikes almost out. Still that in rock garden are only
just shown, so smile laid on the cushion.

1st Feb. Snowfall, ceased before midnight & a slight thaw followed
on that roof, ^(about 2 inches up) more also of snow by noon & then continued
all day from considerable sunny period, but the falls continuing
with a snow drift ^{Received notice from} ^{Hollins that there is about} ^{had been deposited about 1 ft.}
which is snow drift I had thought St. Bernard's ^{1 ft.}
1/2 ft. The drifts were not very deep, about an inch of snow,
but falling, almost without interruption, till about noon. The
hill fog formed about 3-4 P.M. and kept through the night.

2nd Feb. After light rain & later light frost at night, a cold sunny day till
3 P.M. & then cloudy, rain setting in about 7:30 P.M. & wind rising after dark
continued all day.

3rd Feb. A blustery day after some rain at night, wind SW, but some sun
in east, afternoon! Bell & Bistons, again in evening. Collected last night

from Col de la Blue Selle with several flowers just opening.

4th Feb. After a very wet night, a cold, wet day, again turning to drizzle &
rain in late afternoon & wind (SW) rising in evening with gusts of gale force.

5th Feb. After another wet night, a blustery, showery, day, with twinges out
of gale force & squalls of rain - especially in evening. Some fresh snow
on St. Bernard above 1,600 feet fell during the night & the wind was very
cold during the day. Drained over a plash of lightning about 5 P.M. but
we heard no thunder.

6th Feb. After a wild night with at least one heavy sleet squall, quite a good day with sun
in forenoon & no shower; wind S-SW. cold drying away in afternoon as another
front with warm front, approaches from SW. Spent part forenoon & afternoon
cleaning up ledge sides of burn near front gate. Third Purple Crocus
out by front door!

7th Feb. 1961. Very wild & damp after a wet night, and along ³³
gusty SW with a single bell boy till afternoon. The sky cleared
but wind remained mostly, but no rain before bed time.

Cut back the clump of most sedges in rock-garden. They now play
down, now in flower. After rain at night & strong S-SW wind, at the forenoon,
9 A.M. but afternoon dull & calm. The Lobelia, +, ordered from Munro
Hillier of Winchester were delivered at 4 P.M. today, having been
despatched on Monday 30th Jan. Will bring half these plants
unpacked & stored in garage for the night. Two deep purple
Crocuses in front of the cedar apple in flower.

10th Feb. Went for visit to B. Gibson to get an injection of iron
at 1:30 & to attend the funeral to St. Colman's of Mr. Melton
of 2:30. I spent the day planting the larger shrubs received
yesterday afternoon of which I will count & list & plan
planting as soon as possible. A lovely mild day & after noon
almost calm, with considerable sun & no rain, though a little fall
during the night & the soil was still very wet.

11th Feb. After a very windy night, showers commenced at 6:15 A.M. & were
frequent till afternoon when again dry, wind very strong, with gusts of gale
force. Birds do no more perching in garden, but follow the gusts
of Betulae aquatica (?) & Erysimum cheiranthus to keep in blossom. Left
winter in rose... also potted the little fern by lobelia montana, no leaflets.

12th Feb Sunday. After more rain & a calm night, wind (SW) was about ENE &
few fresh all day, but we had no showers & it was very mild, so that I got
the remainder of the plants from Hollins planted out on a rough plan
made of the border along the path by the burn abutment of back garden.

Wind dropped about 6 P.M. but puffs began to be heard once more at 9:00,
one primrose flower peeped up during the day beneath the Azalea pentandra but was
not open at 8 P.M.

13th Feb. A dull day with cool, strong E-SE wind, wind in shelter & no rain
& hill fog covered the tops all day. So could not see if any snow patches
remained or not - probably few, in several areas below 3,000 ft. on 12th. See ³³ ^{15 Feb.}
Rhododendron versicolor with many flowers almost open & many other signs of Spring, such as
many flowers on Panmure galathododon { the burn. Flowering currant, burn, with 10 flowers open.

15th Feb 1961. Still cold but after rain at night a cold day with
haze, fog & light drizzle, a SW wind dropped about 1100, & a chilly
SE breeze came in off the sea, but afternoon drier. See opposite page
from over here, about in flower - 3 small shrubs & the Smoulder
plants almost out. Bud. of Chionodoxa up & coloured, died in
3 weeks earlier than normal. The Primrose bed reported on 12th now
open. Daphne blagayana at last well in flower & many flowers
will open today, after hanging fire for several months. Honey bee
at Mahonia flower in sun last week. {^{optimum time}
Small note. } on ground
{^{Feb 22}
in house
near cones!}

15th Feb. After a dry night with heavy dew (almost snow frost) a perfect
marvelous forenoon, following the partial eclipse of the sun at 7:40 AM,
which we did not see as small cloud on horizon obscured the sun till it was
over. At noon the sun was so hot in back garden that I sat about naked
& the wind so light (5 m) as to be not yet. After had a cold & strong
easterly (E) wind then in a cold, damp, mist from the sea, but about
dinner, though E. breeze continued & kept temperature down. Sun set off
St David & St Non's day in forenoon for first time for
several days & we saw the few small snow drifts still
lay in gullies, & from 2,000 ft upward.

About 11:30 AM. Dain called me to see a ♀ Bombylius lucorum in the greenhouse. It was trying to get out & may have spent the winter there, but as the door had been open since 9 AM it could just as likely gone in by the door. Half an hour later Miss M'Colpin called to me from her garden that she had seen a Bumble, but of course I don't know if they are the same specimen or not.

Spent the day cleaning up the sides of the barn opposite Mr. Warren's
Chimney, & Podo. took no further on, but Rhodo. ciliplinum distinctly no
I saw small red flower on a shrub given me by Miss Munroe & planted against
part of Anderson's fence near rock exposure; it looks like a kind
of Leptospermum but may not be. Davis spent most of day removing
parts of Poa annua, etc., from paths & especially that along Anderson's
fence from where come its seed & those of other weed.

16th. 11th One flower on Sax. spp. from Benvenagh near Anderson's garage, on 17th
17th. Very windy day, mainly dull on 16th, more sunny on 17th but cold wind from S.W.
Spoiled what would have been nice wild flora. Rhodo terra in flower on 18th.

4 18th Feb. 1961. After a win. before night a very nice day & it was
a calm & afternoon thunder fit from full of the ridge
of great singing everywhere.

19 11 Feb. Except for a strong S. wind there was a perfect all round
spring day Sunday! Hence after dinner we picked afternoon
to go out for tramp and up the hills to gate of Tollymore
Park along outside the wall of road, over the moat to the
Belfast water works building at end of the tunnel & then
home through the plantation.

21st Feb. After another dry night, very dry, but ^{Bombay, between 2} cold E wind which varied S. & dropped in late afternoon ^{maxima} to 21° C. The wind was still on the E wind never more than light.

22nd Feb. Another cold, dull, dry day, but the wind never more than
Squally blowing up the wth gauge, toping, veering & scuffling on the surface of
the soil now cracking under influence of the wind. Front garden open on S.E.
aspidistra in rock garden & many flowers on Lam. off. for Snowdon ready to open
if milder. The Rhododendron ciliatum & Knob Hill R. praecox on buttress fence
also the newer R. praecox in front garden.

Wind soon from SE & whipping the fog. Waves are made.
37 ft. 7th Oct., one hour after 10 A.M. & wind light SW after a dead night.

Collected leaf wood in afternoon. Our Forsythia & Iberis sempervirens, in flower.

28th Feb. After another fine night, the wind was strong N.E. & W. with
strong westerly all night, but went calm & then light NW during day, rising again in evening. Wind

3rd March 1961. A most perfect dry day, calm & with lot sun all day, except for an odd cloud over St. Donard. First Vitis cordata in flower. Also the young plants of Erica arborea but most the older plants in rock garden. Bombus pratorum ♀ & B. lucorum ♀ - one each - in back garden in afternoon about 3 P.M. Spent day clearing up the island in the burn about the Guelder Rose, as it had got choked with rock garden at the Guelder Rose, & it had got choked with grass, etc., during the wet winter. Could not see the plant of Sanguinaria canadensis, but hope I did not dig it up. The bush of Corylopsis pauciflora got a week ago from Hillier now covered with flowers. He took photos. of Rhodo. alpinum & Chionodoxa & also took one of Sax. off. (Gordon) & Sax. apiculata in full light exposure no see.

2nd March. After heavy snowfall with rain at night, another fine sunny day, but wind W. stronger & cooler than yesterday, though drying down in afternoon. Several small birds heard, but the only one identified was B. terrestris ♀ at flowers of Rhodo. alpinum at 3 P.M. Removed labels off all recently planted Rhodos, Lysian, etc. &c. bought from Dorard, Knaphill & Hillier's nurseries, & satisfied with the various "maps" I have made of their positions. Many of these now showing signs of soon flowering. Many of the common plants such as Lithophragma (Hemp-ag), Vitis cordata, Abutilon, & the local native Viola riviniana. Dandelions are in flower along the roadside, & I expect to see some Coo amara & groundsel!

3rd March. Very dry after a dry night & with considerable sun: winds S to E in forenoon, calm in afternoon, with occasional strong gusts from S about 5 P.M. Mr. Haines & I were & completed the re-wiring of garage to take a truck-charger to charge the battery driven moving meadow lawn cutting machine of Birmingham. Saw a Bombus lucorum!

4th March. A very nice day after a dry night, much calmer & with considerable sun in afternoon, but a rain start in forenoon. Saw ♀ of Bombus jonellus (1) & lucorum (several).

5th March 1961. After a dry day during night, a cold day with strong S-SE wind. Sunday. In afternoon on way up to the Green hills picked up a ♀ Vespa vulgaris on a footpath & put her in English hedge. Saw Bombus lucorum ♀ ♀ in garden & a Dragonfly (Erythrus tenax). Brought thousands of Scirpus seeds (Scirpus lacustris). Brought thousands of seed in basket in the wood, & from several weeks old) nothing of use in basket in the wood, but some bunches covered with green leafy shoots. Took photos in forenoon in sunlight at 1/60 of a record of Chionodoxa & a couple of Scirpus; moreover in sunlight at 1/60 of a record of Chionodoxa & a couple of Scirpus; moreover in sunlight at 1/60 of a record of Chionodoxa & a couple of Scirpus.

In evening after a cold spell the wind increased & the wind force for some time without any appreciable fall in temp. which stood at 30.5 all day.

6th March. We awoke to find a north-easterly wind blowing till last evening. Almost entirely cloudy, very mild & almost freezing air. Spent most of day alone,

7th March. After a bear deer at night another mild & calm day, but considerable sun at mid day. Spent most of day clearing up banks of the burn in front of garage & had bonfire later. Visited Lansbury's, took books of the burn in front of garage & had bonfire afterwards. At 2:30 P.M. saw the first Bombus agrorum ♀ flying directly to the burn in front garden & later in afternoon saw to my surprise watched in front garden a Titmouse in afternoon say to my surprise watched a ♀ Bombus jonellus gathering pollen (?) nectar from the bush of Corylopsis pauciflora, which indicates that she was feeding larvae.

8th March. Another perfect & sunny day, calm, after a dry night. At 11 A.M. I saw on a willow in the wazzy what I thought might be a Chiff chaff & immediately afterwards both Daisies & I heard it sing.

This is a very early date for this summer migrant but it has been reported from many places in Britain & spending the winter there & heard singing last month during a warm spell. Bombus jonellus seen at 11:30 A.M. in wazzy & several B. lucorum ♀ ♀ seen also flowers of Ulex europeus in wazzy & several B. lucorum ♀ ♀ seen also

Daisy saw a Small Tortoiseshell butterfly & him in collision also reported "a butterfly" shortly afterwards - probably the same one.

Spent most of day clearing muck out of the burn & pond in the wazzy & then cut front lawn before tea.

9th March 1961. Another dry day but a strong easterly wind made it nippy, prevent me to spend 3 days at the top of the way.
10th March. Cloudy over day with light S.E. breeze & considerably cloud & snow about but we got by a few steps. Took outside views at 3 p.m. Bott up & sand exposures in weak sunlight of Snowdon Beacons & Mynyddog. See offprint folio 10 of Peter Anderson & find one of Cydonia Rosacea Hedging to find the roll of Agford over colour film I purchased & had then been trying for first time. Planted slips of a Lysimachia sent me by P.C. Rose from a Belfast garden in 6 pot in greenhouse
new part of Stodio - previously between Birch tree with flowers open & many other Rhodod. & azaleas now with coloured bark. Bombaria juncifolia (very small f) & B. laevigata f seen in back garden. Saw a little wonder bird near my house. Soldanella alpina in flower.

19th March. Sunday. Student from Stranmiller coll. arrived at
S. I. U. this morning. Had walk in Princeton in afternoon.

20th road. Bell, solo & my wish (NW). Had visit
in evening from Bob Corliss & Maria Tonello of Ceylon

39 21st March 1961. Spent forenoon at Mrs. McNaughton's home, Bryanston Road. Very cold & took 7 photos, in particular of her double white cherry. Sailed the Queen of the Greeks. The Daffodils in full flower as well as some red Azaleas. I saw Lamia, the first Lithophragma in - just coming into flower. Antennaria in garden.

In afternoon brother & I went to Stourton House & helped to interview the Stourton College students. We met a lot of them for Hymenoptera, Net-wst. studies. We met a lot of them for Hymenoptera, including Pipilo chlorurus. 29th Mar. Spent morning discoursing w/ a spp. of Baccharis.

22nd March. Spent morning discoursing w/ a spp. of Baccharis with brother. In afternoon we joined the Stourton students with brother. In afternoon we joined the Stourton students in the library of Marlow House & spent a few hours with them. Found out one of (D. (Oligognathus) araderi or D. (Oligognathus) leucostoma) with black tips, black-spotted at extreme base, a very pleasant & weird sunny day, with light N-NW. wind.

23rd March. Spent forenoon discoursing, principally with brother, in afternoon got good watering to recently planted Rhodos & Azaleas, etc. Brother left at 6 P.M. for bus to Liverpool boat at Bolsover on way home. Still dry w/ light, keen, W. breeze. Rhododendron "Sappho" in flower. 24th March. A very sunny forenoon, with a little drizzle & one slight shower in afternoon. Some of the Stourton party came in afternoon & we ran through, S. Hill & Austin Elliott stayed for tea.

25th March. We had a light drizzle this afternoon, but I had to water as many of the new plants as possible in the evening. Wind SW. strong & cold.

26th March. Mainly cold N.W. wind & sunny, but an hour, drizzle & rain with SW. wind in morning preceded change to NW & sudden rise in barometer.

First day of Summer Time!

26th Mar. 61, cont. In afternoon we made up my application to the university & mailed it off. A very cold & dry day, with moderate, biting cold N.W. wind; much sun, but cloudy periods. But frost here in forenoon which had to spend late afternoon & early evening watering azaleas & rhododendrons, so was also signs of distress. Frost forecast! Saw Bombyx pyrotana gathering food at Lithophragma & Rhododendron.

28th March. Another dry day after a cold night, but no frost; milder with SW-S. wind, gusty at times, with sun & some cloudy periods but spot of frost, but not even a recognizable drizzle. First Primula secta flower open; Rhododendron flower also open & old Rhododendron & Azaleas now in flower, or nearly so.

I have had to spend 3 hours yesterday & two tonight watering as we are now dried up. Took 5 or 6 photos in garden at 10 sec. exposure, ending with two in front garden, full sunlight & very long. Wind now about 4 P.M., & a light shower before bed-time.

29th March. Southerly, strong wind all night & thick drizzle from early hours onwards. After a fine & often very muggy, a drizzle not a spot since yesterday. At 4 AM dropped to zero & continued until 4 P.M. a wind SW. dropped to zero & continued until 10 PM. In afternoon I planted 2 more rows of peas. Bedtime - above, 70°. In afternoon I planted 2 more rows of peas in upper plot, the more water with 6 Home Guard + 2 White Peasants & the rest with 8 Water Chestnuts. At 7 PM (B.S.T.) a Bombyx pyrotana was seen gathering food from flower of Lamium galeobdolon in heavy drizzle! Rhododendron "Sappho" & Rhododendron "Blue Diamond" were in full flower, & out for Azalea canadensis also out well. These two species are very much alike to me. Azalea canadensis also out well, for a week at least, as well as Rhodo. hippophaeoides, which is very short.

30th March. One of my little red Azaleas (2 years old) stolen from front border since yesterday - torn up, leaving broken root, showing. We noticed that the gipsy women were around looting yesterday afternoon! After strong SW. wind & drizzle all night wind started on the south west & drizzle - sometimes brief - continued till about 3 P.M. in which time wind had veered to NW & temperature dropped considerably.

31st March. A dull, mild damp day, not hot, for occasional drizzle. Considerable growth in among the Rubus, most green, me in return by the name Murray now & full flower on N. bank of the river at 6:30 p.m. first flower open in Heuchera near front gate - a small cluster, set for the "May". From the flower, about one & half inches. Took more photos (five) using a Lamium galeobdolon (exposure all 1/30 sec. Light good but sun not quite out in most).

32nd March. A dull, mild damp day, not hot, for occasional drizzle. Considerable growth in among the Rubus, most green, me in return by the name Murray now & full flower on N. bank of the river at 6:30 p.m. first flower open in Heuchera near front gate - a small cluster, set for the "May". From the flower, about one & half inches. Took more photos (five) using a Lamium galeobdolon (exposure all 1/30 sec. Light good but sun not quite out in most).

4th April. A cold, miserable, wet day, with E. wind falling in afternoon
to calm. Diggle started at 9.30 AM & continues to afternoon with
some haze before rain & hill fog afterwards. - Of course, arrived
by car from Dubuque about 7 PM, his object being
to discuss the preparation of a list of first samples for the
of I Academy. This project was agreed on & a scheme considered

43. 13.4.61 cont. Today I picked up 3 species of G. elatum
collected - 1951, 52, 53 in the col between the Lovers' Burn & the
Yellow Burn (Ben Lovers area). Mid part of an alt. of about
or just under 2750 feet, to Mr. Phillips in Botany Dept. of B.M.
Seboldia prominens in flower.

17th April. After a thick sea-fog all morning cloudy & wet from 1000
11 AM's whole day very dry, however cloudy & wet from 1000
will meet on 2 till. Did light sowing. I finished planting the
potatoes in top plot & put in 3 rows Ballydeon & 3 rows Water Supreme
see chart on 38 ecta. Later started to plant the mid triangle in potatoes
in main plot, beginning with central drill of 15 Kew. Pink & working eastwards
Potatoes in triangle: central drill 15 Kew. Pink,
8 Kew Pink below & 5 Blue above.

Row 2 L. 9
First flower, open on Cyperus hirsutus
Hab. 2000 ft. Oct. 21; taken in house

16 April 1961. Very cool day with low sun & light
cool easterly breeze getting closer towards late afternoon with
a very cold & raw feeling north. Dashed north to town
in center of hill pasture (see chart on p. 103) to see the goldfinches. W/T
30 feet long and in back of light house in valley there, no cover.
Kestrel in air. =
= 7 Brown Ch. S.E. and from daylight - by about 8 P.M.

27th April 1961. A fine day, finished planting potatoes in my plot. Row 2 & 3 planted with Potatoes 2 rows, 5 to 6 feet apart, top of row 7, I laid the two last rows cut take, the top of row 7 will be part of row 8, I think the last row cut take, the top of row 7 will be part of row 8 all now 8 feet. Disappointingly nothing.

28th April. A very fine day after very nice frost, but no damage, can't find roots of potatoes. Peacock flying about, but can't find roots of potatoes. Peacock flying about, but can't find roots of potatoes.

29th April. After light rain at dusk a very cloudy. In afternoon Miss Forsyth of Belfast - Northern Ireland came to see garden with her cousin Mrs. Forsyth of Belfast & her mother's name (Mr. & Mrs. Neville) from S. Africa.

30th April. A very sunny day, but a few heavy "April" showers. Sunday. In afternoon we walked to Tollymore Park (Birrighard gate) & up Reggie Pad & home via the quarry & the sheep field. Took a couple of fish & a lot more in the Park & saw Andrena jacobii, Glossy & G. Guest & a red admiral, also Birrighard bridge & below gate.

The last bush in my up "Reggie Pad" in Tollymore Park:-
Andrena lapponica ♂ Hemiteles sp. 2000^{ft} ^{and} otherwise.

1st May 1961. Rain commenced at 8 AM & fell almost throughout the day, cold at first, becoming colder in afternoon, wind strong at first & varying between S & E, later light & more variable. 2nd May. After a fine night rain again commenced just after 8 AM & fell in heavy showers - sometimes prolonged, - till evening with hot sunburst between, but cold down showers. First 2 hours of rain roses opened yesterday on the old deep red rose from West Rose Garden, garden.

3rd May. After a fine night & a wet day, mainly showers during which I helped Miss McLeod to plant potatoes. Daig heard a Cuckoo - the call coming from the moor above the plantation on Drimnagh. The afternoon we reported by heavy showers but after tea I got the back lawn cut. Oxalis was in flower & the burn in back garden.

4th to 6th May 1961. Then Swift numerous garden on 8th! 26 All day of heavy showers & bright period, with light & thunder. On afternoon of 6th a wild evening. Mr. & Mrs. Bedford (Mrs C. is brother, Mr. Blair (son of my old friend Sir James Blair!) & Mr. & Mrs. Blair (2nd wife) came for three of my transatlantic talk on our holidays in the west of Ireland in 1959 & 1960. Mr. & Mrs. Blair are to occupy the new bungalow on Steamer Brook Av. at the back of our garden. On evening of 5th they & the Steamer's training body visited us, mainly Mr. Harding, Stanley, Skinner & local people. Mr. Harding gave us names for some of the plants he had brought, in March & other, as follow: - The little Paeonia in pot is 1. P. mlokosewitschii (capitata) "Chameleon" (yellow reddish).

2. Bartsia capitata planted in mossy area my bridge on track.

3. Primula elatior group: the "melly" species from Delphi, W. keys.

4. Aethionema sp.: the first given me by Mrs. Black last year.

on 6th. Took a small Hemiteles sp. out 2000 ft. Both meteorological & atmospheric

7th May. A wild day with frequent very heavy showers & gale force gusts of wind from the west intervening intervals. Thunder & possible frost forecast for to night. Saw one Swift at ten times.

8th May. Weather still continued all day & going steady at

11 P.M. Much damage in garden, flowers & even buds blown off Photinia trees, etc.; young trees stopped of cordons near house, & set you down & shoot through, & half surface of glass off greenhouse (mended in afternoon').

Wrote note on sick Stithoep. linearisiformis; bird seems well but too weak to fly for E.M.W.

9th May. After a dry night & some light drizzle between 8 & 9 AM

a fine sunny day with W-NW breeze & promise of frost tonight. Had onions & mustard up (comes) all caught & earliest row of potatoes which are now 6" to 8" tall. About 5 P.M. swept for sun 20 minutes in mossy, etc., for first time this year - mainly off Solidago.

49 Tollymore Park, DO, 12.5.61, cont.

Taken at 1 (cont.)

Pterotysa reticulata ♀ + pair of ♂; only 2 mtd., small with only 21 eggs each.
Homocidus 3♂ 4♀ = *H. alpinum*, only 2 mtd., ant. 20 & 21.

Rouette latericeps ♂ ant. 24.
♀, ab sp? 6♂ ant. 31-33.

Empelus 1♂ of ♀ remoter forest ant. 42.
Menochroa 2♂ not mtd.
6♂ pupaged (not mtd.) *Aperileptus obliquus* ♂ ant. 22

Oncophorus laevigatus 20♂ (mtd.), ant. 22.

Euphemus pallipes var? ♂, ant. 26, radula straight at apex, stigma curved.

Microstomus cyathiformis ♀, ant. 25/26, with a double seg in one (65 seg) antenna.

Adelina filamentosa 1 mother long ♂, ant. 31.

Aspidolota (S.) *concolor* ♂, small, ant. 20.

Daeus aereola ♂♂ in abundance, ♀♀ a few, none kept.

D. longipennis ♂ + ♀, not kept. *D. lempadi* ♀, ant. 25.

Thraupes coryphaea ♀, ant. 20.

Macrostomus curvirostris ♀♀ common, a few ♂♂, none kept.

Aphelinus ♀, ab. 300+, ♂ only, none kept.

Proctonotus abt. dozen 4 on, mtd., other said, minor := *Scelio* ♀.

Euhybus tricornis Hb. ♀. *Cryptosiphon aculeator* ♂ + another ♂ which might be *curredii*?
Others abt 20.

Taken at 2. Beech wood, 12.40 till 3 P.M. *Tenthredo* *coquilletti* ♂

Dryinid, small ♂ = *Bethyllemon rufipes*, ant. 23. *Dolichos punctatissimus* ♀, small, mtd.!!

Bethyllemon alluaudi ♂, *carinaria* small, ant. 38.

2♂ of 3 small ♂♂ abt 30.

Scolop. limoneum ♀, off back at top of Biggs' Rd (for bird houses), ant. 24.

Eulypus ? ♂ abt 200 = *Eulypus laevigatus*. Shoth. ♀, ant. 30: both agree?

maledid? 1: *Anisotoma tinellus* Hb. ♂, ant. 29.

pupaged ♂ abt 30.

Myzaphis elongata 2♂♂ mtd, abt. 28 *Gordius tricornis* ♂, not mtd.

12.5.61, cont. Tollymore Park, DO, cont.

Taken at 2 (cont.)

Microstomus cyathiformis? ♂, ant. 21, radula sculptured!

Aspidolota *concolor* 2♂ & ♀, 10♂, 1♀, ant. 26 & 25 respectively.

Daeus aereola none kept

Tenagia 1♂, 1♀ = *Tibiculæ* ? ant. 13 & 11 respectively.

Microstomus cyathiformis several

Cyphomyia ♀ mtd. (other not kept) = Lph. of *placuum* ♀, small & dark, ant. 16.

Proctonotus minute abundant, none mtd. *Dryinid* 5, only 1♂ mtd. =

Selyfid 3♂ 5♀ = *Adelina* ? ♂ = *molita* *fitchii*, *Aclyta* ? ♂

Pantocles sp. juvenile ♀ *Cineta* ? ♂ *Pantocles* ? ♀

Chalcids abundant & mostly small, next to greatest.

13th May. Another warm day, but somewhat cloudy at times & there
was more breeze. George & family - put to dry weather. But front
face - forenoon & very hot in afternoon. Short sun & make
before mid (but noon) sun flying on west part of the meadow which
we walk from the rear, about 1/4 of a mile. Black birds -
the whole flock to rear, about 1/4 of a mile.

14th May. Sunday. Still with bright sun after noon onwards,
becoming warmer & more prolonged in afternoon. Very warm after
noon. Walk 2-3 miles after we set off for Tollymore Park
& after a hour, when it became very dark, with light
scattered breeze. Ret. home at 5 P.M. Collected a few insects
from under leaves of a Sycamore during shower, a follows:-

15th May. After thick mist all night the weather does not clear a bit
till 10 A.M. E breeze & sky did not clear until 6 P.M. After the
sun sets & almost promise of frost (forecast for parts of
Scotland & England). Filled back 20 small pails for trap traps.
& for Mt. Ginn stall at sale next Thursday. In afternoon
went to see Mt. Ginn & to get my new saddle. *Schizomyia* *limoneum* mated ♀.
& 2 clumps of a small mass *Phlox*, which I planted. But one
of the seat by the turn-pall in back garden, ant. 37, taken in back garden.

51.
16th Aug 1961. A dull rather miserable day with lots of E-NE wind & sea fog till 1 p.m. Then wind dropped & sun shone for rest of day. Spent day in Tollymore Park with Mr Caldwell who took me on a tour of Belfast Waterworks, being at the time looking for a job as a Belfast Waterworks man at the time he got into the Park. Left home at 10.30 & home at 5.30. Collected by running in 3 areas as follows:

- 1 = 11.0 to 12 noon. Side of Reggie's Pond & a few Beech trees at top of slope.
- 2 = 12 noon till 1 p.m. The Beechwood area (as far as I could in the old "Beech" wooded area SE of the Reservoir).
- 3 = 2.30 to 4.00. The old wooded area.

Tollymore Park, Co. Down. 11th to 12 noon.
Forest floor at 1.

Pterostygium recticauda? ♂, ant. 2.
Asthenes sp. ♀, ant. 21, not old. *Coleosoma trivittatum* sp. off beach: not old.
Euphorbia longicormis ♂, ant. 24.
Oxybelus caeruleus Hb. ♀, ant. 44. *Amphibola cf. fasciata*? ♀, ant. 21.
Zacumulus aphanta ♂, ♂? D (R) *meleagris*? + 4.6 (not fresh)
Tanys bilineatus ♀, ant. 11. *monotoma ciliata* ♀, not old
aphanta? not fresh.
Pectinaria (not old) 2; not old. *bryophilus* 2 (on very minute!) not old
Chelidonium c. 20, ant. 1. typical.
Very little ant-music to cold wind, & one ant in lily bulb taken here also!

Table at 2.
August 20. *Phryganidea* ♀, ant. 19.
Gasteruption pictissimum: ♀, ant. 28. *Pterostygium* sp. *recticauda*? ant. 29.
Sternocera funeraria? ♀, ant. 25. *Asthenes crassifemur* ♂, ant. 39.
Neodolichos cf. *stomoxanthus* Gray. ♂, 32; see also ♂ from 3 on opp. page →
Parabates latangula, ♀, ant. 45; not off Beach!
Apanteles obliquus, ♂, ant. 22.

16.5. 21, cont. Tollymore Park, 20, cont. 52.
Taken at 2 cont.
Coleosoma trivittatum sp. large ♀, ant. 21. *Phryganidea* sp. sp. cont'd.
Rogen cinnamomea? ♀, ant. 37 (all black old!)
microstoma sp. extra? ♀, ant. 22.
Amphibola ciliata ♀, ant. 25. *Aspidola* sp. sp. ♀, ant. 26.
Dolomedes maculatus? ♂. *D. longispinosus*? ♂? ant. 27.
Argiope sp. sp. 3.
Practaea: *belyteoides*? 2 = { *Acicta* ♀, ant. 14 = *O. oswego*; K. fisherianus (W. m. 63) Tullymore! }
bryophilus 1; not old. { *Acicta* ♀, ant. 15 =
Chelidonium c. 30; ant. to Spiders.

Taken at 3: mostly after sun began to break through clouds!
Endochus non *scripta*? ♀, ant. 23. *Helcystizus altator* Thunb. ant. 21 (fwd. J.F.P.)
Henderson sp., not mtd. *Stenopimpla*? ♂, not old.
Eucnecus signatus? ant. 22. *gordius*? sp. sp. (2) 21.5. 61, not old.
Stenopimpla *maculata*? ♀, ant. 26. *Hemerobius* sp. ♂, ant. 26.
Stethus laevigatus *informis*? 2 or 3: one has ant 27: the other given to Prof. Munro.
Microlestes? 2 = *mesoleius* of Steenkamp, sp. ant. 22.2. *Archaeocero* sp. sp. *leptocephalus*? *Thunb.* ♀, ant. 24 }
Platynocheilus sp. - *Apanteles obliquus* 200, ant. 21 & 23. *Leucospis* sp. sp. 2015. sp. }
Habro? ♀, ant. 20. *Platynocheilus* sp. sp. ♀, ant. 20. *leucospis* sp. sp. }
Rogen cinnamomea? ♀, ant. 27. Other specimens not catalogued & may not yet be identified.
Macrocyclops sp. ♂, ant. 26 small & dark?
Tanys bilineatus 2 ♀; one mtd., ant. 11.
Lepidopter 1.
Procto. 1. *luteola*.
Chelidonium c. 25.
With Bees etc.

for contents of killing bag? →

53 16-5, 61, cont. Tullymore Park, Do., cont.

In killing bottle (per 1, 2 & 3).

Dolomiaea pachycolla ♀ from 3; caught off land or W. side.

W. shore? 7000 ft 2.

♂ from 2.

♂ & ♀ ♀ from 2.

Favonius ♀ from land at 2 = Parabatis Catangalo ^{ant 46} Holmgren 1894
♀ & ♂ from land with flooded foot track, from 3 = Aporrhais ² Ph. Clark 1894

Roger ^{small} ~~small~~ dark ♀ from land at 2: ab. 39

Wals. Mymica rufinodis ♀ & Fornicia ♀ ♀ from 3.

17th May. Almost exactly same to yesterday & remained
dry & dull till late in afternoon, with cold N.E. breeze.

18th May more or less same yesterday, but we came out earlier

19th May mainly dull & cold in afternoon & often almost drizzling.
Still colder in evening



